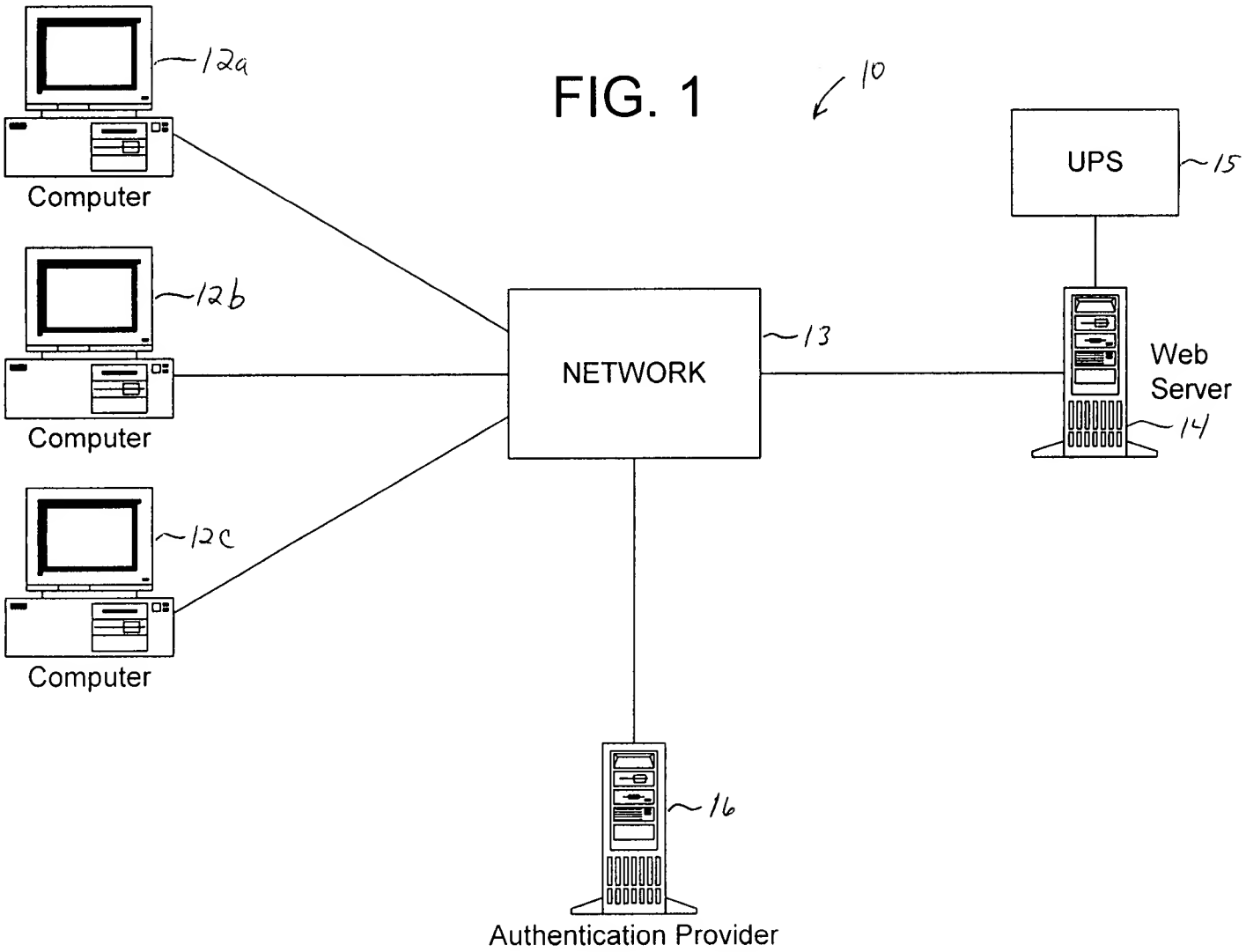
FIG. 1


10
12a
Computer
12b
Computer
12c
Computer
NETWORK
13
UPS
15
Web
Server
14
16
Authentication Provider

T06080 "85652660

FIG. 2

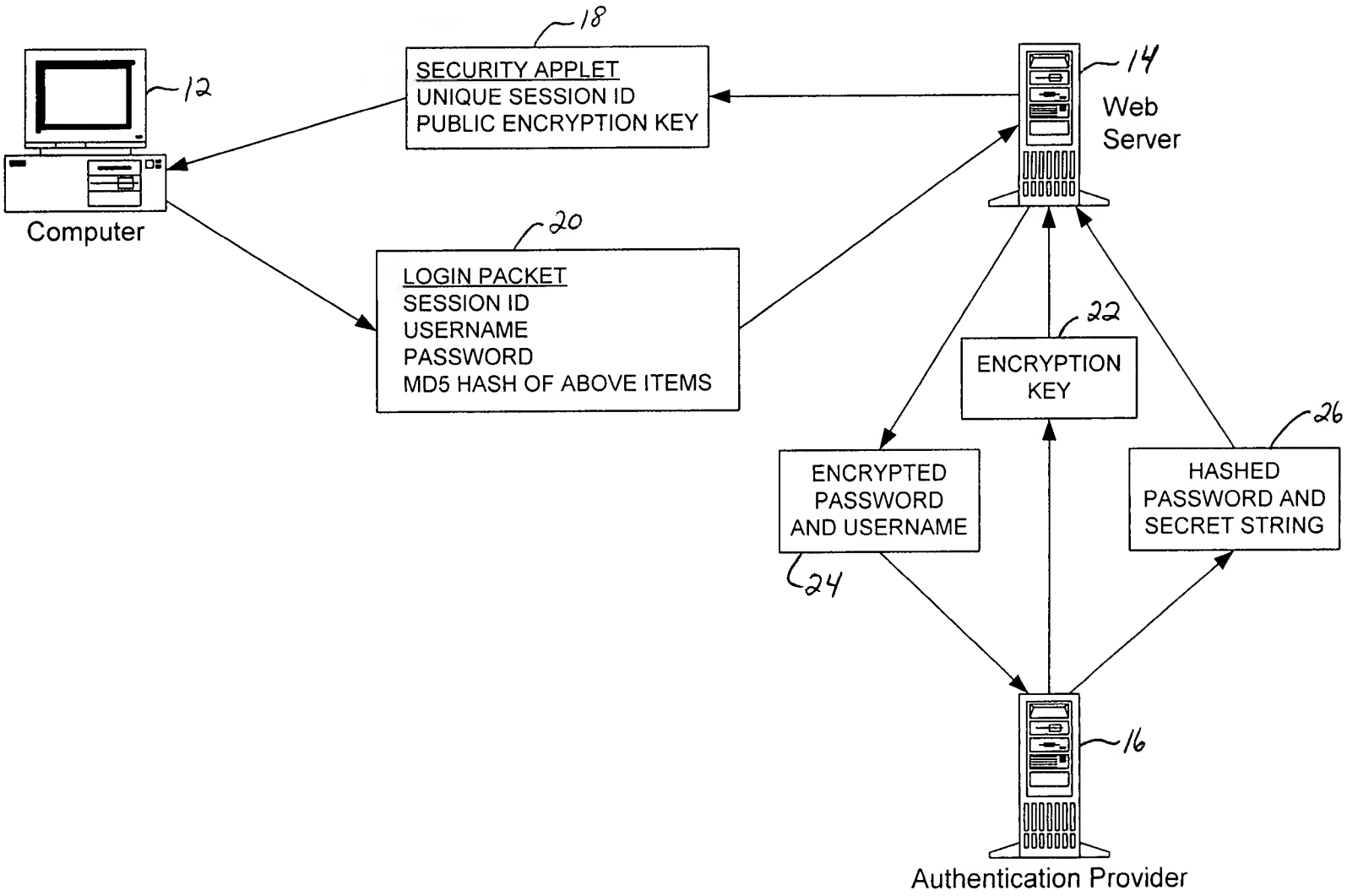


FIG. 3

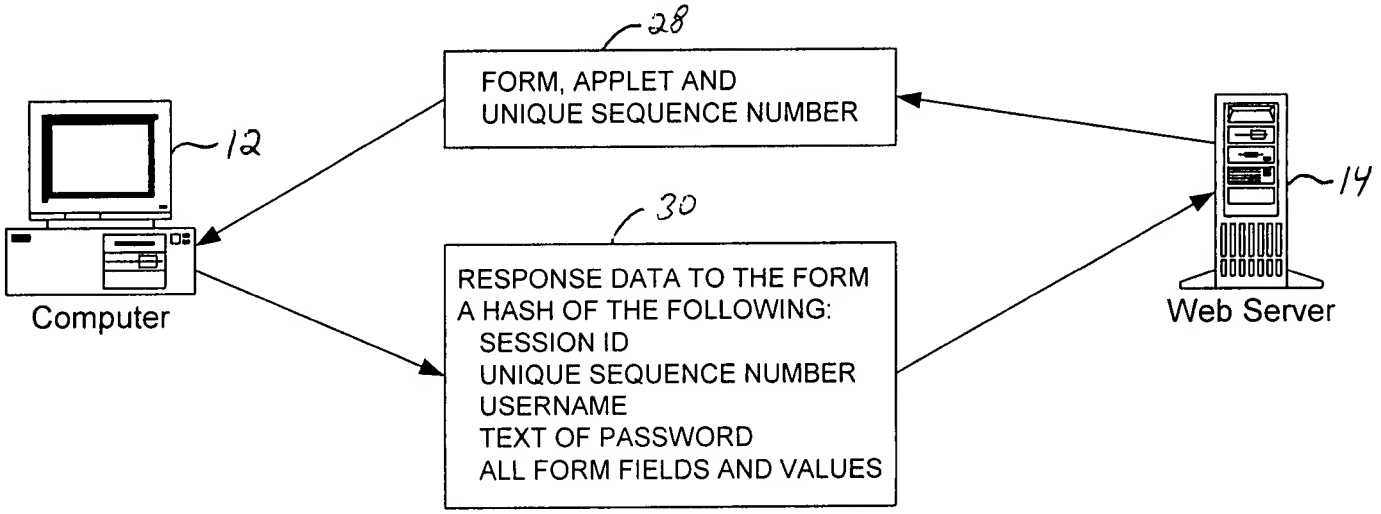

28
FORM, APPLET AND
UNIQUE SEQUENCE NUMBER
12
Computer
30
RESPONSE DATA TO THE FORM
A HASH OF THE FOLLOWING:
SESSION ID
UNIQUE SEQUENCE NUMBER
USERNAME
TEXT OF PASSWORD
ALL FORM FIELDS AND VALUES
14
Web Server

FIG. 4

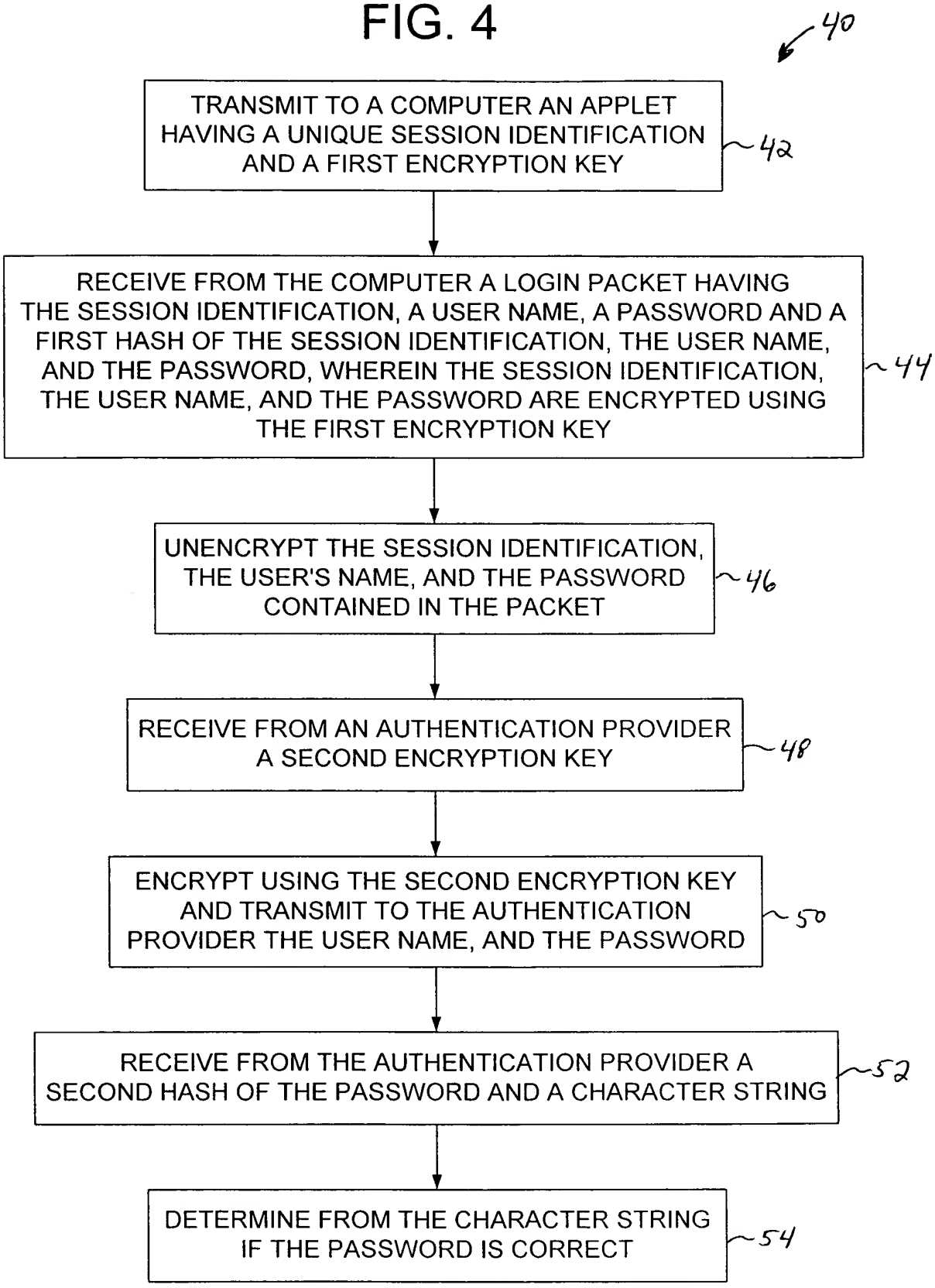
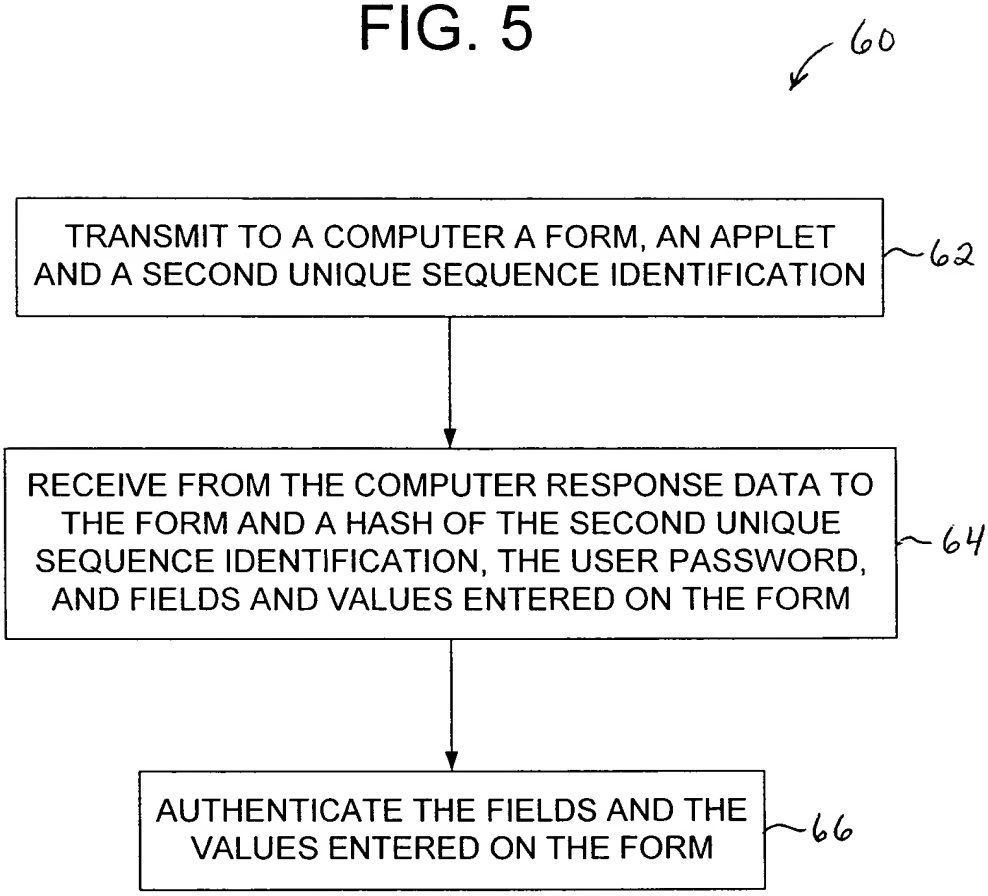

40
TRANSMIT TO A COMPUTER AN APPLET HAVING A UNIQUE SESSION IDENTIFICATION AND A FIRST ENCRYPTION KEY
42
RECEIVE FROM THE COMPUTER A LOGIN PACKET HAVING THE SESSION IDENTIFICATION, A USER NAME, A PASSWORD AND A FIRST HASH OF THE SESSION IDENTIFICATION, THE USER NAME, AND THE PASSWORD, WHEREIN THE SESSION IDENTIFICATION, THE USER NAME, AND THE PASSWORD ARE ENCRYPTED USING THE FIRST ENCRYPTION KEY
44
UNENCRYPT THE SESSION IDENTIFICATION, THE USER'S NAME, AND THE PASSWORD CONTAINED IN THE PACKET
46
RECEIVE FROM AN AUTHENTICATION PROVIDER A SECOND ENCRYPTION KEY
48
ENCRYPT USING THE SECOND ENCRYPTION KEY AND TRANSMIT TO THE AUTHENTICATION PROVIDER THE USER NAME, AND THE PASSWORD
50
RECEIVE FROM THE AUTHENTICATION PROVIDER A SECOND HASH OF THE PASSWORD AND A CHARACTER STRING
52
DETERMINE FROM THE CHARACTER STRING IF THE PASSWORD IS CORRECT
54

FIG. 5



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SCANNED, #6
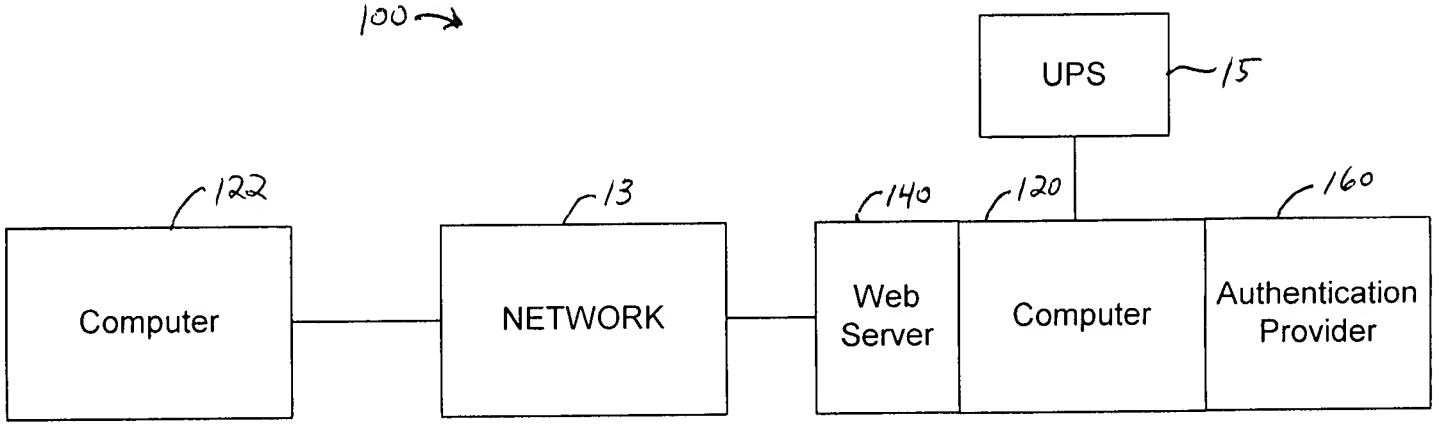
FIG. 6